

Title (en)

THERMOPLASTIC POLYESTER RESIN, THERMOPLASTIC POLYESTER RESIN COMPOSITION, AND SHAPED ARTICLE

Title (de)

THERMOPLASTISCHES POLYESTERHARZ, THERMOPLASTISCHE POLYESTERHARZZUSAMMENSETZUNG UND GEFORMTER GEGENSTAND

Title (fr)

RÉSINE POLYESTER THERMOPLASTIQUE, COMPOSITION DE RÉSINE POLYESTER THERMOPLASTIQUE, ET ARTICLE MOULÉ

Publication

EP 4006104 A1 20220601 (EN)

Application

EP 20846304 A 20200720

Priority

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- JP 2020028092 W 20200720

Abstract (en)

The present invention provides a thermoplastic polyester resin comprising a residue of an aromatic dicarboxylic acid or an ester-forming derivative thereof and a residue of a diol or an ester-forming derivative thereof, as main structural units, wherein the thermoplastic polyester resin has a hydroxy group concentration of 0.050 mmol/g or less. The use of such a thermoplastic polyester resin enables to obtain a molded article which has excellent mechanical properties and heat resistance, and which also has a reduced dielectric loss tangent at a high frequency of 1 GHz or more.

IPC 8 full level

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C-Set (source: EP)

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EP 20846304 A 20200720; CN 202080054903 A 20200720; JP 2020028092 W 20200720; JP 2020541456 A 20200720; KR 20217035545 A 20200720; TW 109125372 A 20200728; US 202017629063 A 20200720